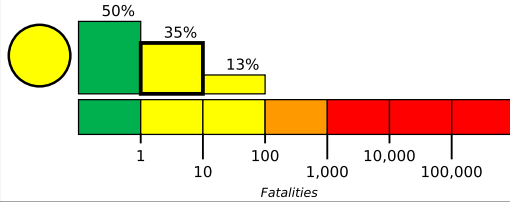


## M 5.7, 7 km N of Marquelia, Mexico

Origin Time: 2021-03-20 03:06:33 UTC (Fri 21:06:33 local)  
Location: 16.6531° N 98.8124° W Depth: 28.3 km

Created: 1 day, 0 hours after earthquake

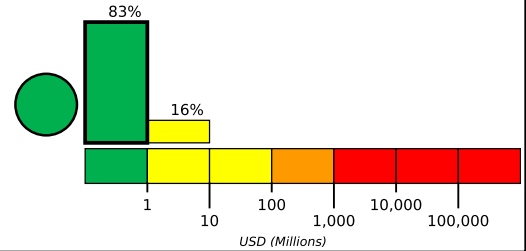
### Estimated Fatalities



Yellow alert for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert for economic losses. There is a low likelihood of damage.

### Estimated Economic Losses

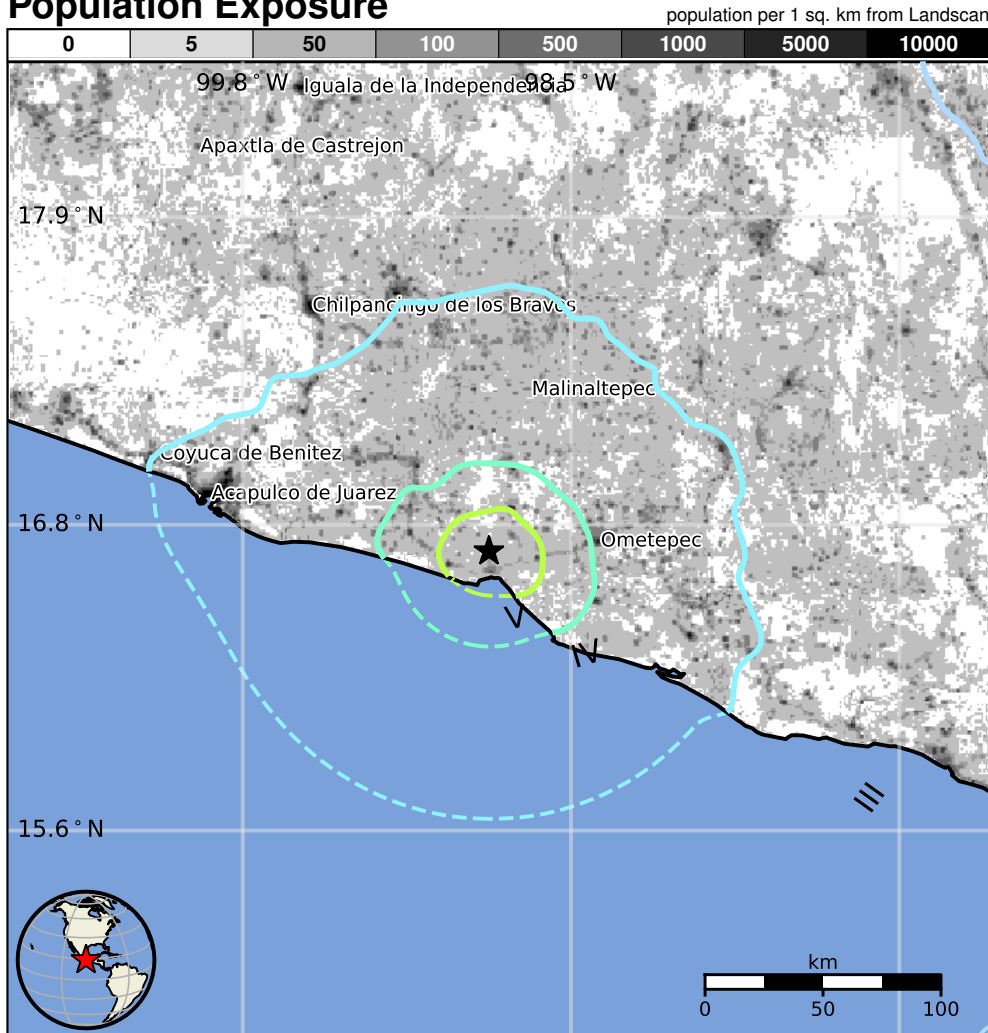


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	2,731k*	2,045k	147k	83k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-06-15	238	6.9	VI(178k)	16
1981-10-25	375	7.2	VIII(148k)	3
1973-08-28	292	7.2	VII(847k)	600

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Marquelia	7k
VI	El Polvorin	1k
VI	Jolotichan	2k
VI	Barra de Tecoaapa	4k
VI	Copala	7k
VI	San Luis Acatlan	8k
IV	<b>Acapulco de Juarez</b>	<b>652k</b>
IV	Tlapa de Comonfort	37k
III	Chilpancingo	165k
III	Ciudad de Huajuapán de León	48k
III	<b>Iguala de la Independencia</b>	<b>112k</b>

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000dl4v#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000dl4v